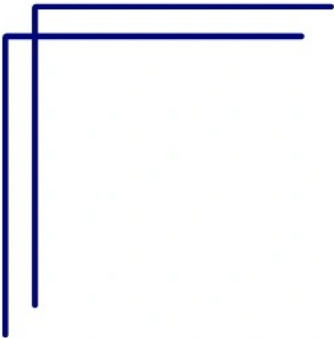
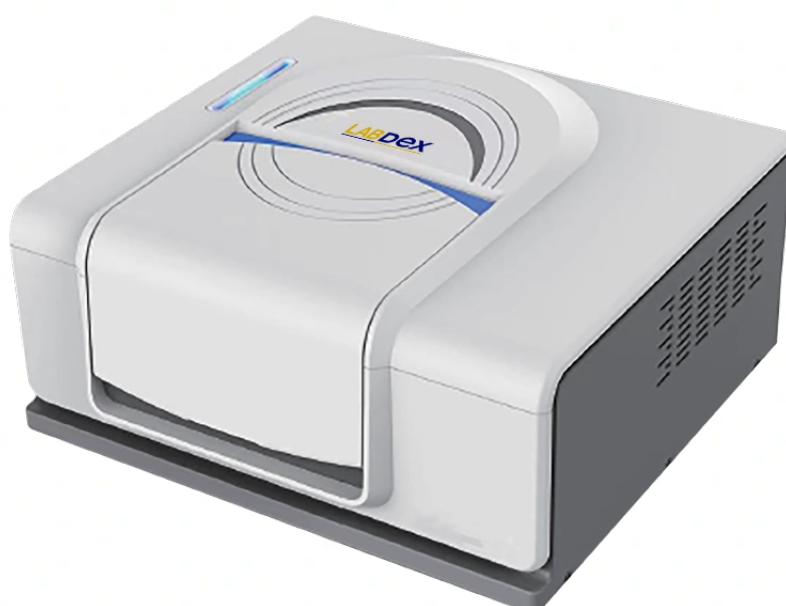




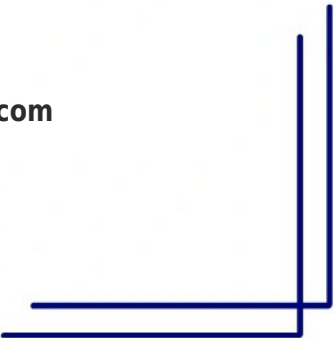
LABdex



FTIR Spectrometer LX11IR



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Description

It is designed with 7800 cm-1 to 350 cm-1 spectral range with high S: N ratios of up to 20,000:1 and with anti-electromagnetic interference property, electromagnetic compatibility for protection from radiation. Equipped with a Cube-corner Michelson interferometer, the highly sensitive optical system with collectively patented fixing mirror alignment tools. Designed with Ethernet and WIFI dual-mode communication to adapt the development trend of "Internet +testing instruments.

Specifications

Spectral range	7800 cm-1 to 350 cm-1
Resolution	0.85 cm-1
Wave number precision	± 0.01 cm-1
Interferometer	Cube-corner michelson interferometer
Beam splitter	Multilayer Ge coated KBr
Detector	High sensitivity pyroelectric module (Standard) Temperature stabilized module, MCT detector (Optional)
IR Source	High intensity, long lifetime, air-cooled IR source
Signal to noise ratio	Better than 20,000:1 (RMS value 2100-1 to 2000-1 or 2100cm-1 to 2200cm-1)
Scanning speed	Microprocessor control, different scanning speed selectable
Software	MainFTOS
Communication	Ethernet interface & WIFI wireless communication
Data output	Standard data format, report generation, and output
Status diagnosis	Power on self-check, real-time temperature, and humidity monitoring and reminders
Environment conditions	Temperature: 10℃~30℃, Humidity: Less than 60%
Power supply	AC220V ±22V 50Hz ±1Hz
Dimensions	490 x 420 x 240 mm
Net weight	25 kg

Packing dimensions	750 x 650 x 890 mm
Gross weight	80 kg

Features

- ˆ Built-in microprocessor control scanning speed
- ˆ Offers gold coated reflecting mirrors to cover maximum light
- ˆ External isolated IR source module and large space heat dissipation chamber
- ˆ Cube-corner Michelson interferometer
- ˆ Equipped with MainFTOS software which is compatible with all Windows OS
- ˆ It has various specialized IR libraries

Applications

- ˆ Used in in the field of science research, quality control production, testing, and detection in various fields such as compounded plastics, blends, fillers, paints, rubbers, etc.

Standard Accessories

- ˆ Transmission sample holder



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